

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032620\
 Data File : VN060710.D
 Acq On : 26 Mar 2020 13:33
 Operator : JC/MD
 Sample : L1997-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D-20200315

Quant Time: Mar 27 05:30:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

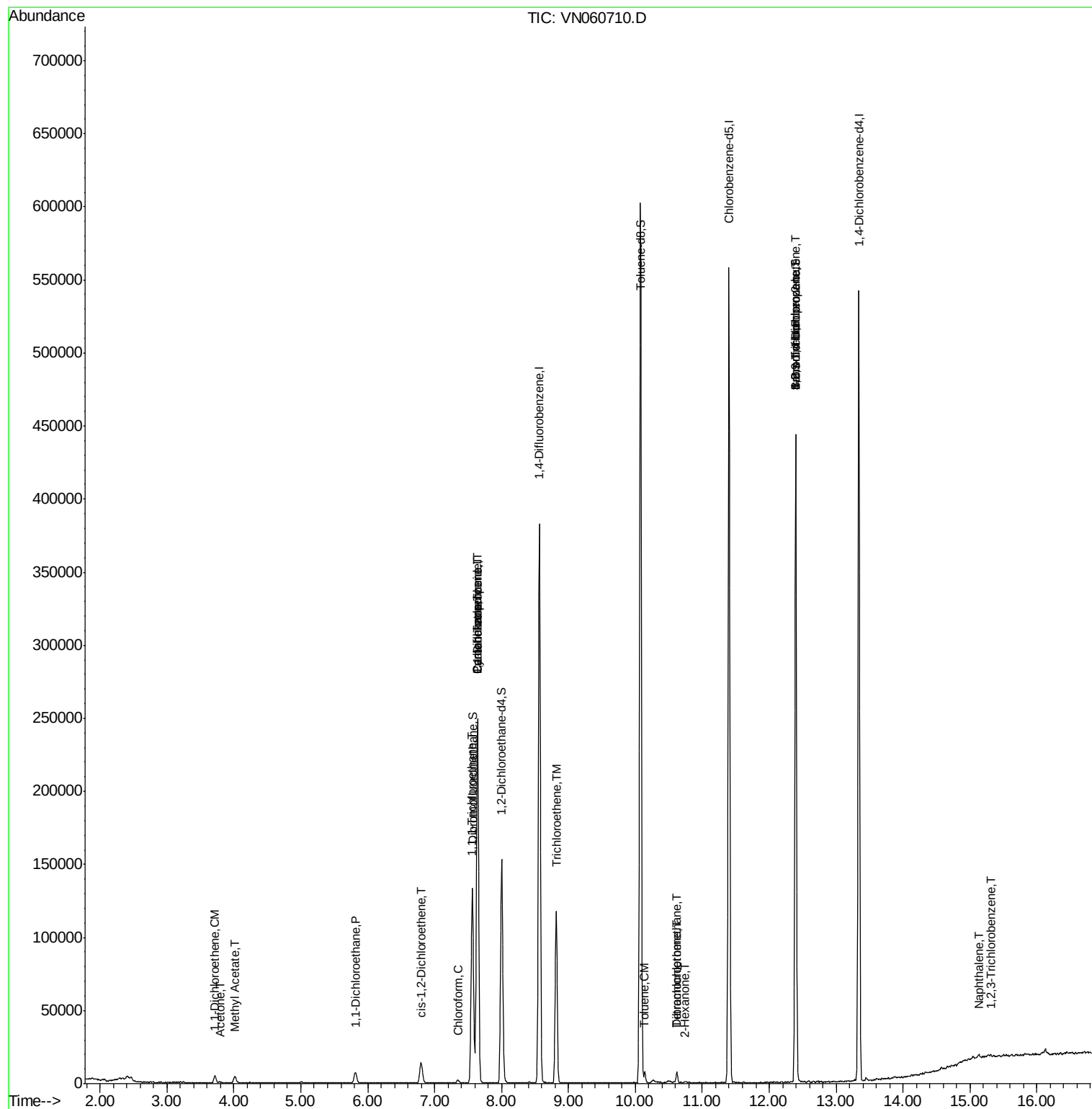
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	204592	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	338717	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	319634	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143659	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	132480	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	
35) Dibromofluoromethane	7.56	113	101086	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
50) Toluene-d8	10.08	98	418827	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
62) 4-Bromofluorobenzene	12.40	95	154724	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	3.71	96	2768	1.250	ug/l	97
16) Acetone	3.79	43	1601	1.609	ug/l	99
18) Methyl Acetate	4.01	43	1360	0.486	ug/l #	54
24) 1,1-Dichloroethane	5.82	63	12244	2.729	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	10102	3.766	ug/l	89
30) Chloroform	7.35	83	2347	0.546	ug/l	85
31) Cyclohexane	7.64	56	4206	0.930	ug/l #	1
32) 1,1,1-Trichloroethane	7.55	97	3512	0.947	ug/l #	51
36) 1,1-Dichloropropene	7.64	75	15929	4.857	ug/l #	49
38) Carbon Tetrachloride	7.64	117	19492	6.631	ug/l #	17
44) Trichloroethene	8.82	130	43368	17.375	ug/l	98
52) Toluene	10.14	92	3504	0.586	ug/l	96
59) 2-Hexanone	10.74	43	627	0.262	ug/l #	25
60) Dibromochloromethane	10.62	129	1649	0.694	ug/l #	11
64) Tetrachloroethene	10.62	164	1698	0.675	ug/l	98
71) Bromoform	12.40	173	498	1.933	ug/l #	1
76) 1,2,3-Trichloropropane	12.39	75	79401	25.614	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	79401	65.785	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.33	75	30	Below Cal	#	3
95) Naphthalene	15.13	128	2095	0.259	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	599	0.226	ug/l #	75

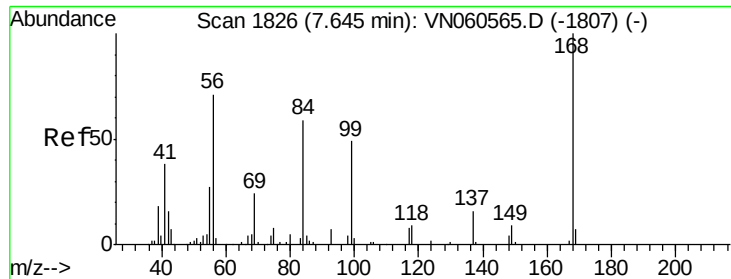
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060710.D

Acq: 26 Mar 2020 13:33

Instrument :

MSVOA_N

ClientSampleId :

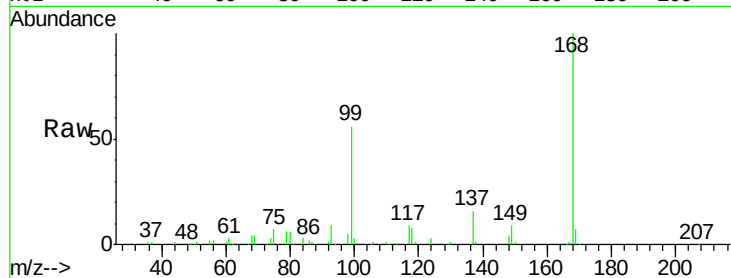
MW203D-20200315

Tgt Ion:168 Resp: 204592

Ion Ratio Lower Upper

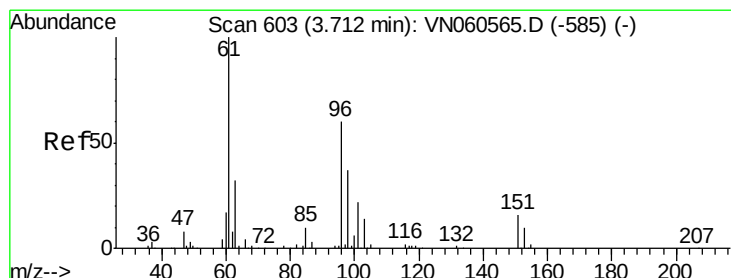
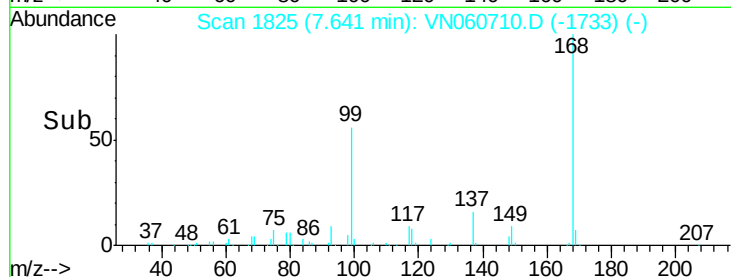
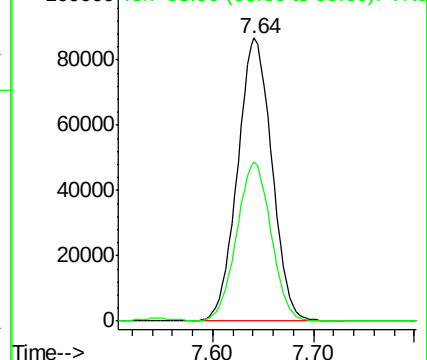
168 100

99 56.4 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#12

1,1-Dichloroethene

Concen: 1.250 ug/l

RT: 3.71 min Scan# 602

Delta R.T. -0.00 min

Lab File: VN060710.D

Acq: 26 Mar 2020 13:33

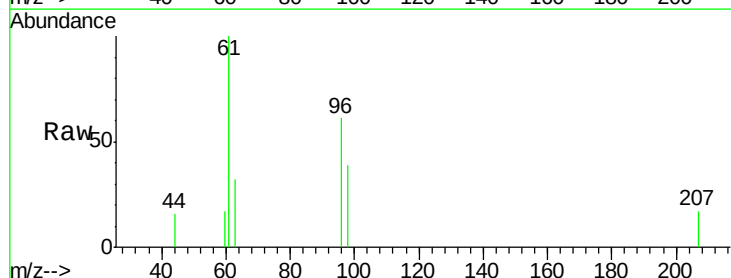
Tgt Ion: 96 Resp: 2768

Ion Ratio Lower Upper

96 100

61 163.0 134.1 201.1

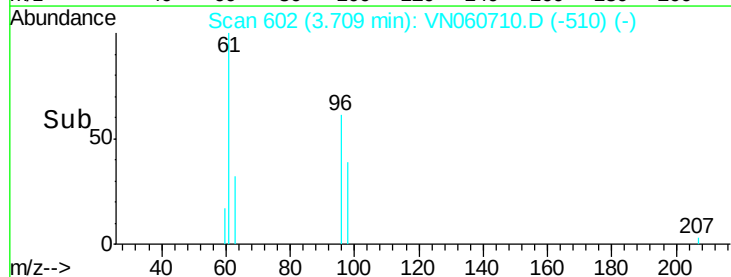
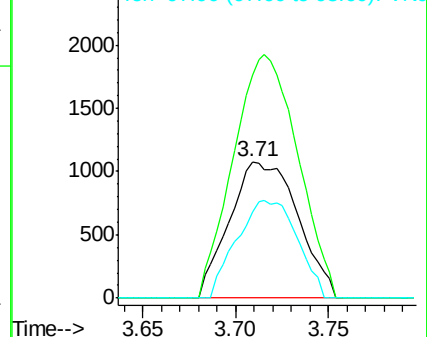
98 62.9 49.9 74.9

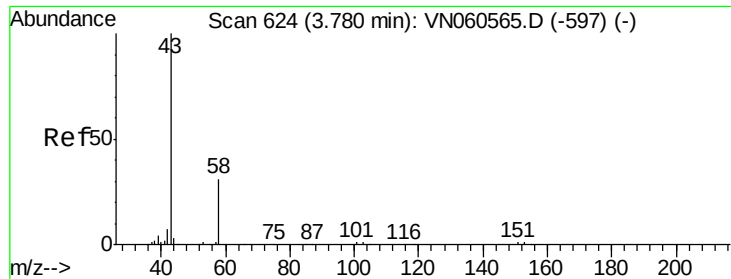


Abundance Ion 95.90 (95.60 to 96.60): VN

Ion 60.90 (60.60 to 61.60): VN

Ion 97.90 (97.60 to 98.60): VN

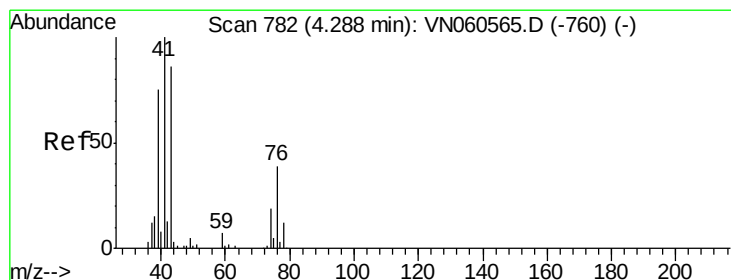
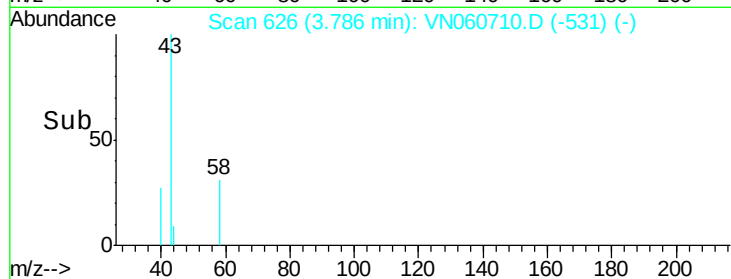
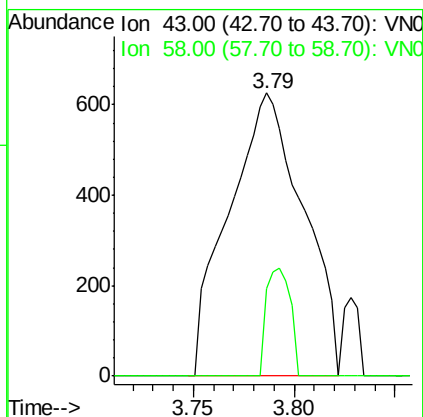
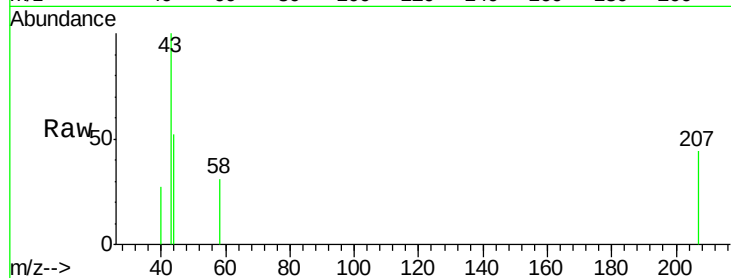




#16
Acetone
Concen: 1.609 ug/l
RT: 3.79 min Scan# 626
Delta R.T. 0.01 min
Lab File: VN060710.D
Acq: 26 Mar 2020 13:33

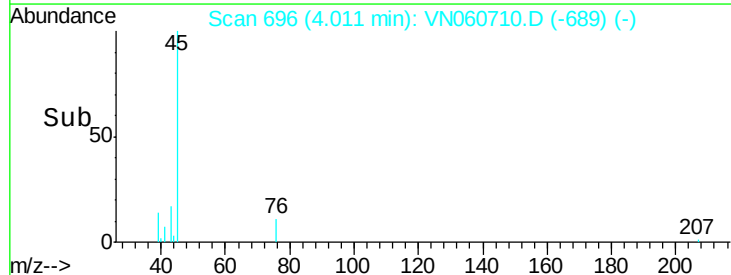
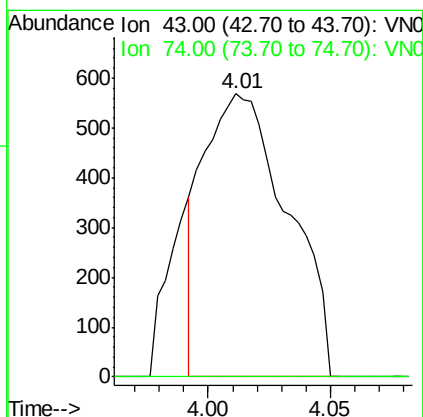
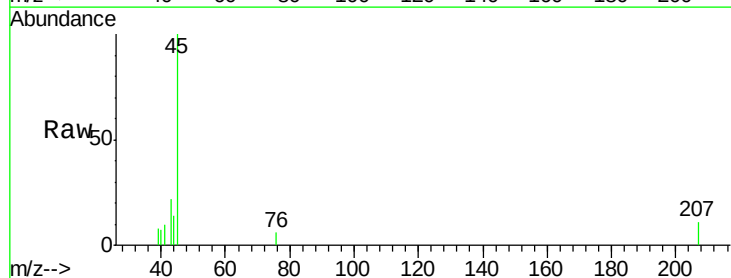
Instrument :
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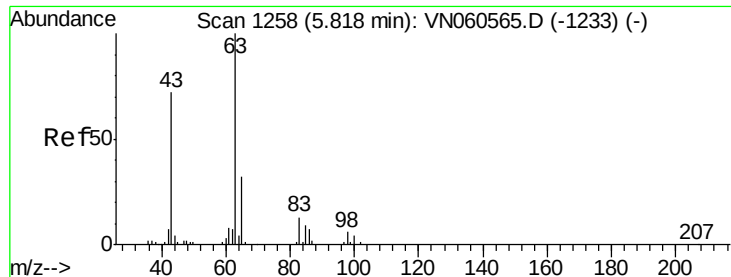
Tgt Ion: 43 Resp: 1601
Ion Ratio Lower Upper
43 100
58 30.8 25.1 37.7



#18
Methyl Acetate
Concen: 0.486 ug/l
RT: 4.01 min Scan# 696
Delta R.T. -0.28 min
Lab File: VN060710.D
Acq: 26 Mar 2020 13:33

Tgt Ion: 43 Resp: 1360
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#





#24

1,1-Dichloroethane

Concen: 2.729 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060710.D

Acq: 26 Mar 2020 13:33

Instrument :

MSVOA_N

ClientSampleId :

MW203D-20200315

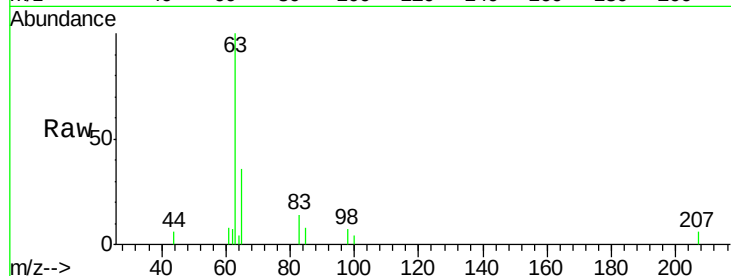
Tgt Ion: 63 Resp: 12244

Ion Ratio Lower Upper

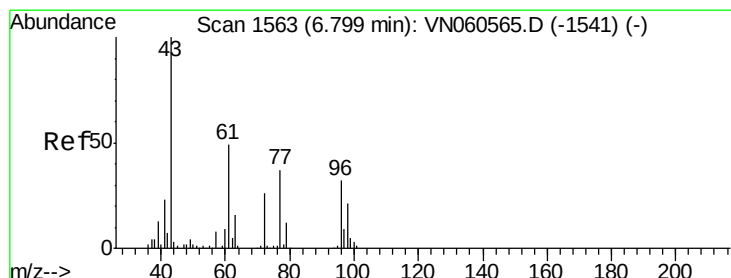
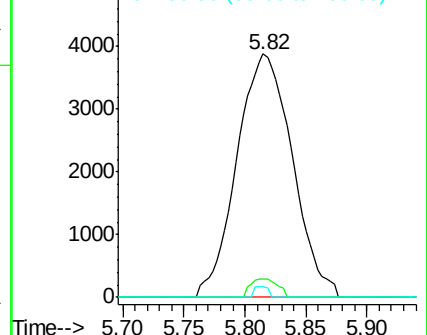
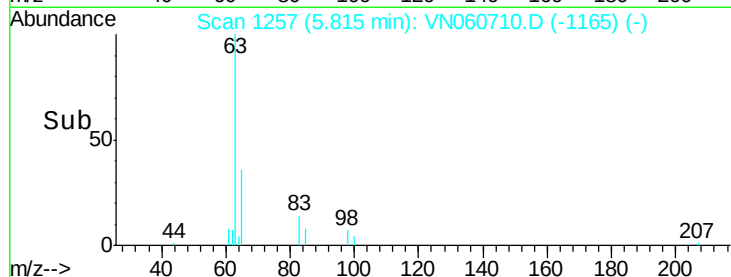
63 100

98 7.3 2.9 8.7

100 4.3 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN060710.D (-1165) (-)



#27

cis-1,2-Dichloroethene

Concen: 3.766 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060710.D

Acq: 26 Mar 2020 13:33

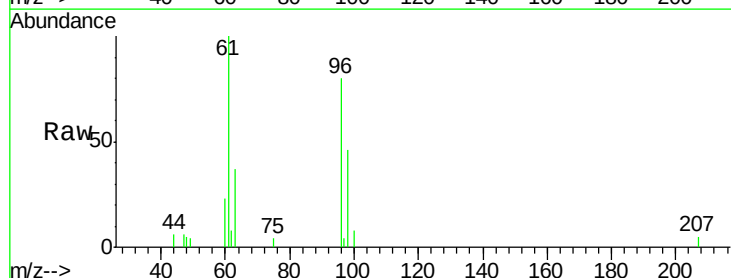
Tgt Ion: 96 Resp: 10102

Ion Ratio Lower Upper

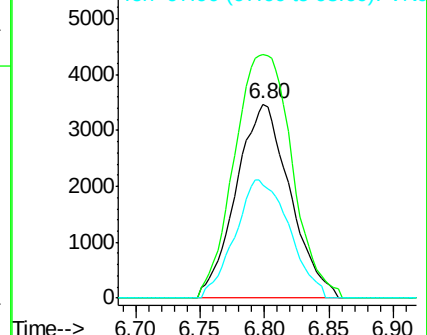
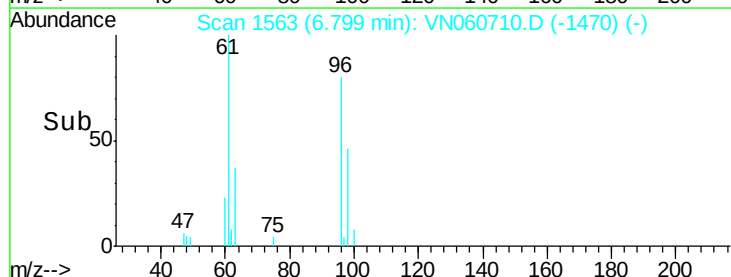
96 100

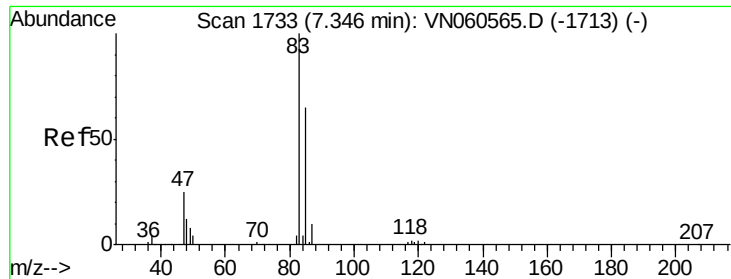
61 134.3 0.0 305.6

98 61.1 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VN060710.D (-1470) (-)

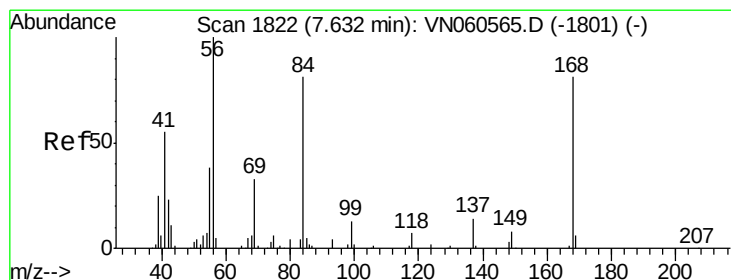
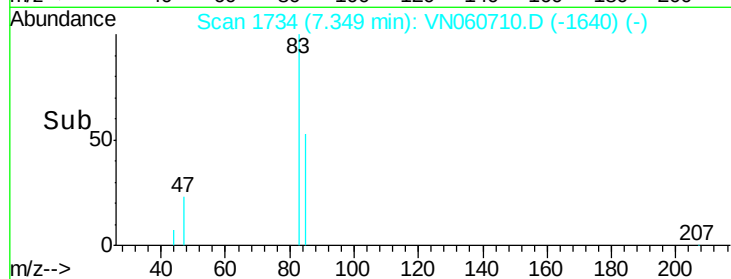
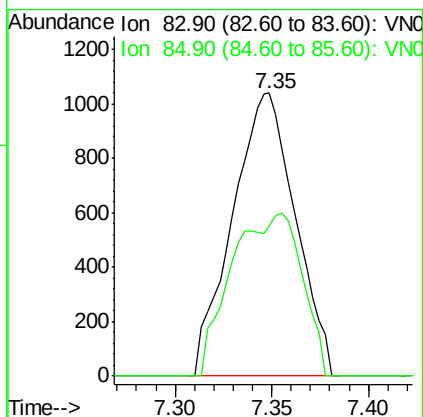
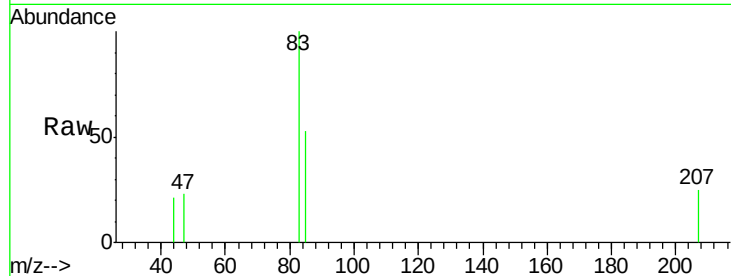




#30
Chloroform
Concen: 0.546 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN060710.D
Acq: 26 Mar 2020 13:33

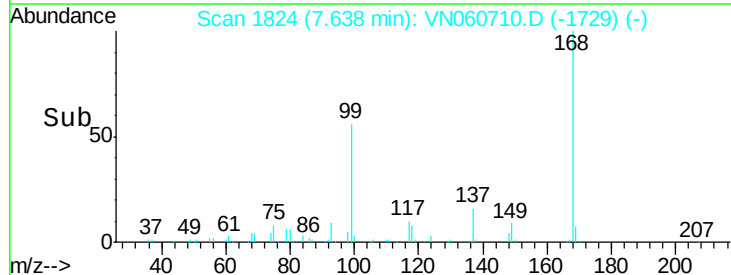
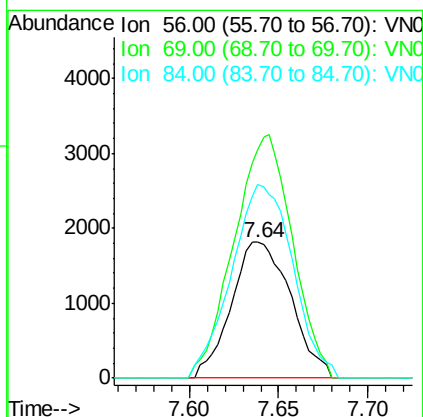
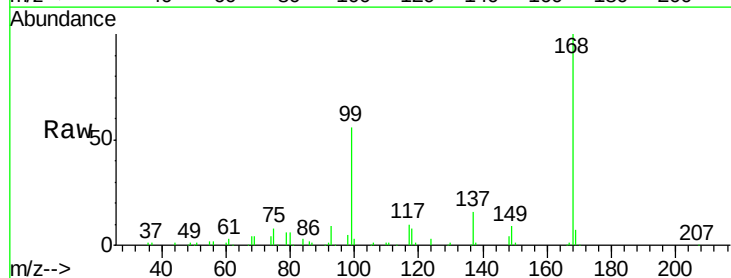
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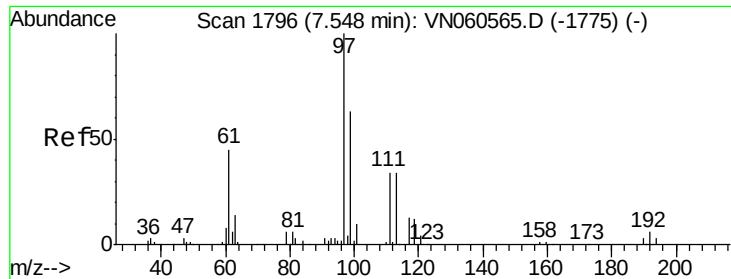
Tgt Ion: 83 Resp: 2347
Ion Ratio Lower Upper
83 100
85 53.1 51.8 77.8



#31
Cyclohexane
Concen: 0.930 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN060710.D
Acq: 26 Mar 2020 13:33

Tgt Ion: 56 Resp: 4206
Ion Ratio Lower Upper
56 100
69 168.3 26.6 40.0#
84 142.5 64.3 96.5#





#32

1,1,1-Trichloroethane

Concen: 0.947 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN060710.D

Acq: 26 Mar 2020 13:33

Instrument :

MSVOA_N

ClientSampleId :

MW203D-20200315

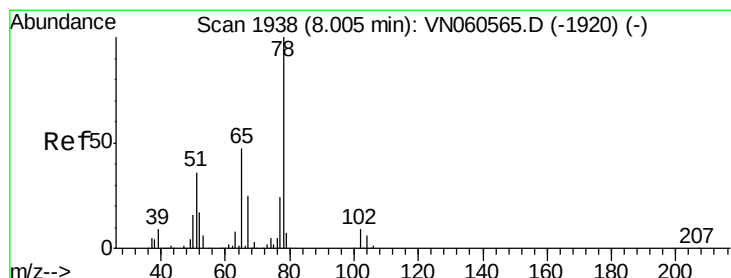
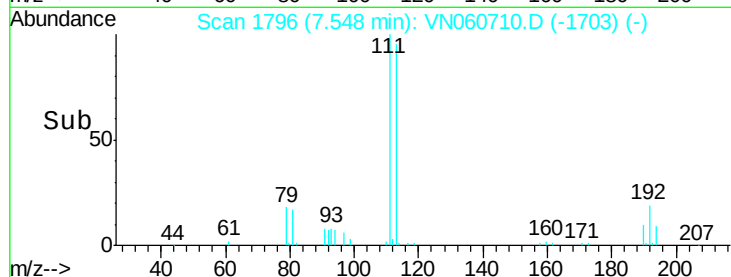
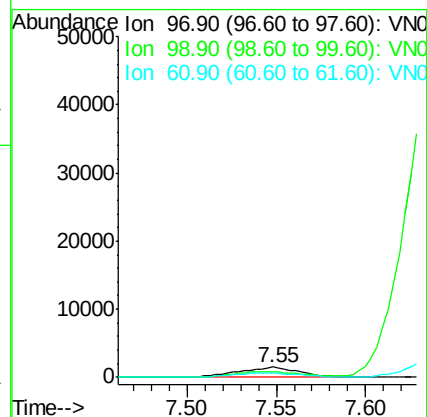
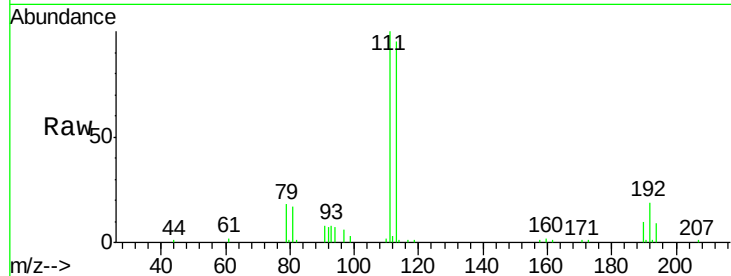
Tgt Ion: 97 Resp: 3512

Ion Ratio Lower Upper

97 100

99 0.0 50.6 75.8#

61 43.5 36.2 54.4



#33

1,2-Dichloroethane-d4

Concen: 47.170 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060710.D

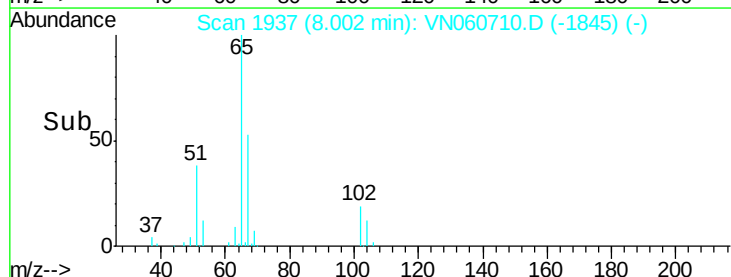
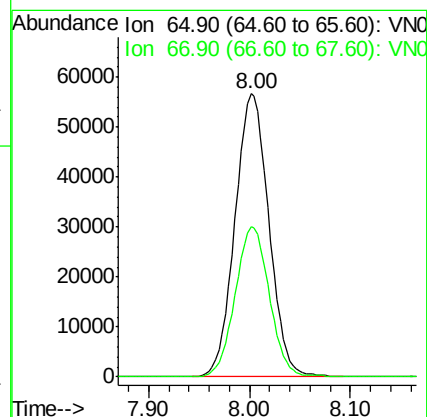
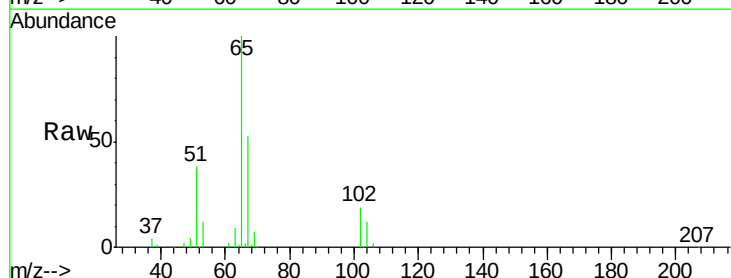
Acq: 26 Mar 2020 13:33

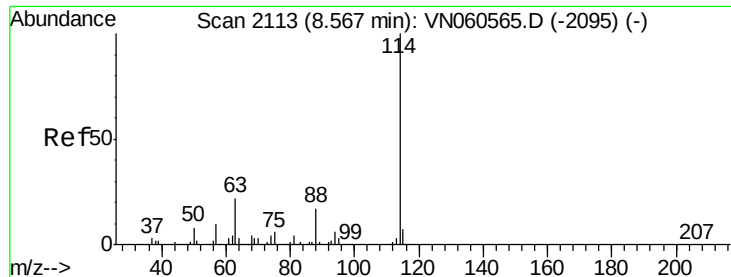
Tgt Ion: 65 Resp: 132480

Ion Ratio Lower Upper

65 100

67 53.3 0.0 107.6

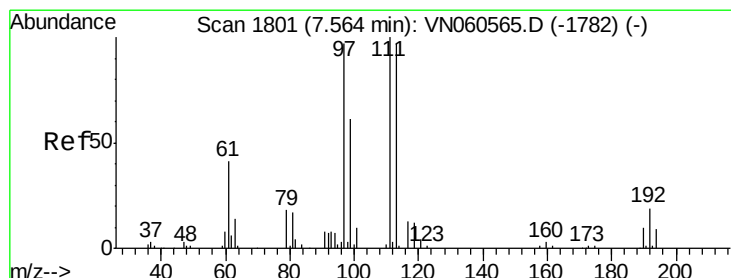
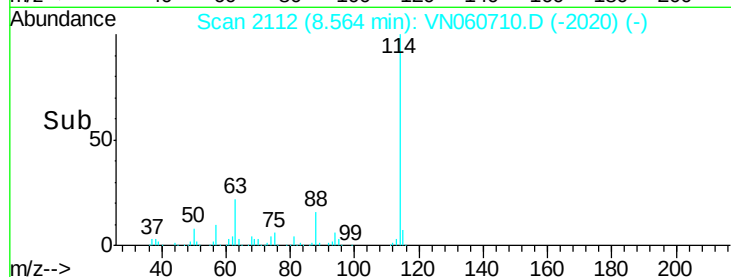
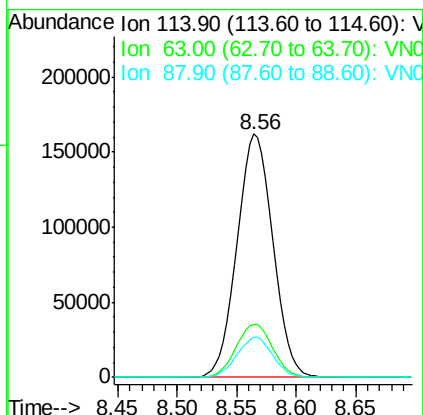
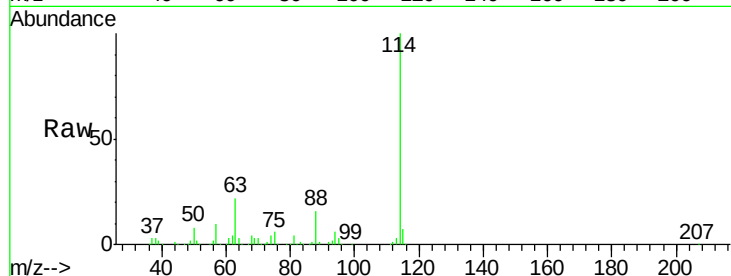




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060710.D
 Acq: 26 Mar 2020 13:33

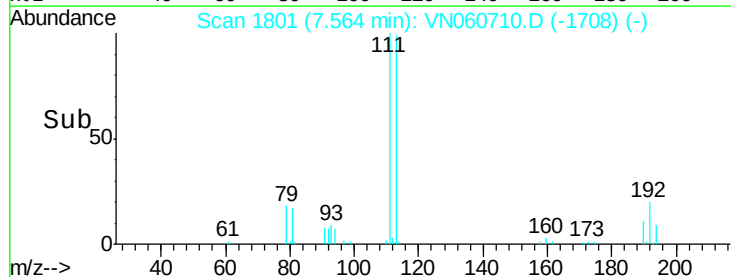
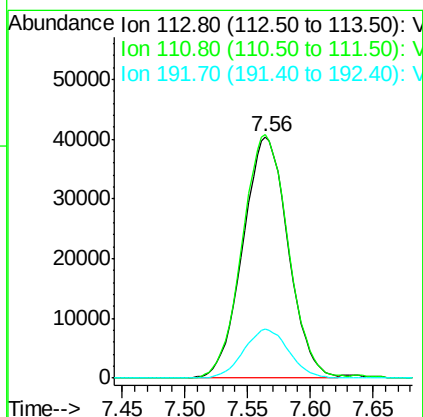
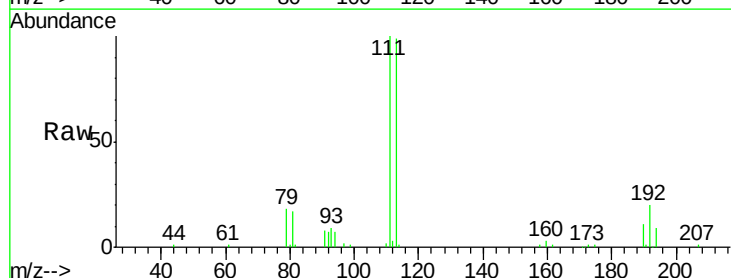
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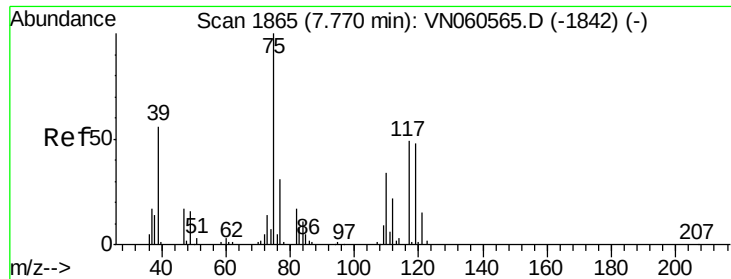
Tgt Ion:114 Resp: 338717
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 43.8
 88 16.4 0.0 33.0



#35
 Dibromofluoromethane
 Concen: 49.356 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN060710.D
 Acq: 26 Mar 2020 13:33

Tgt Ion:113 Resp: 101086
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.9 124.3
 192 20.1 15.8 23.8

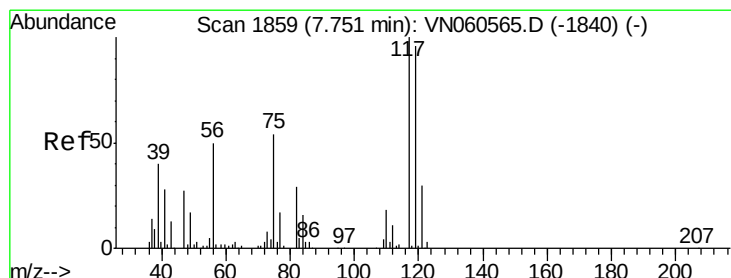
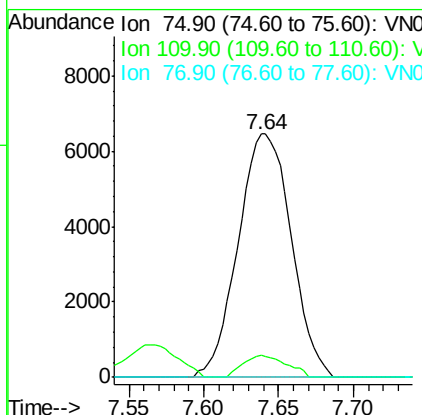
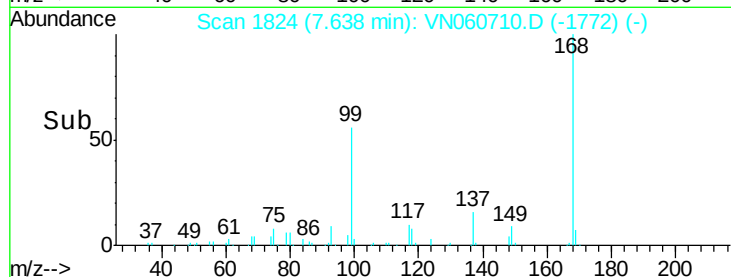
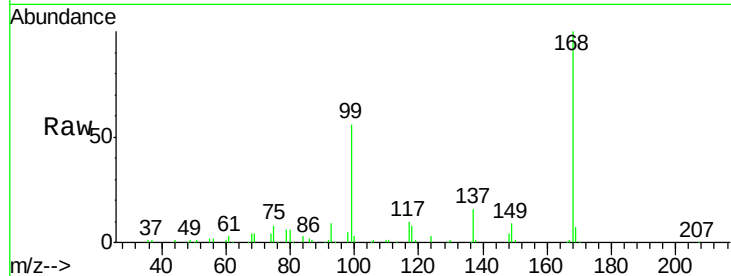




#36
 1,1-Dichloropropene
 Concen: 4.857 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060710.D
 Acq: 26 Mar 2020 13:33

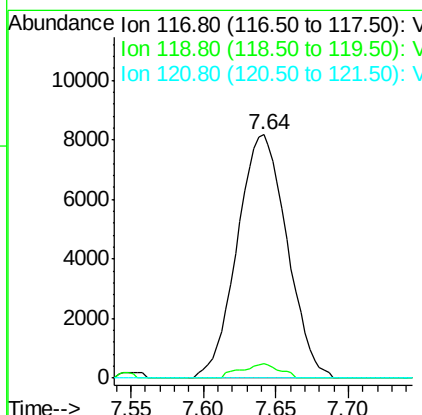
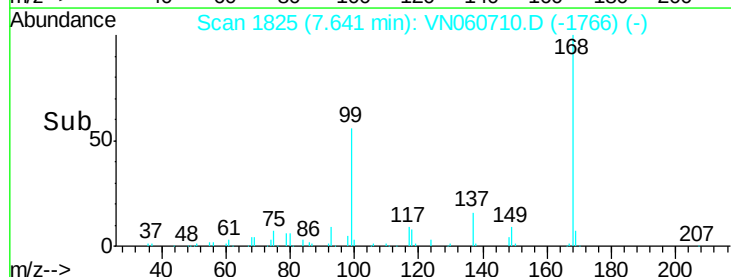
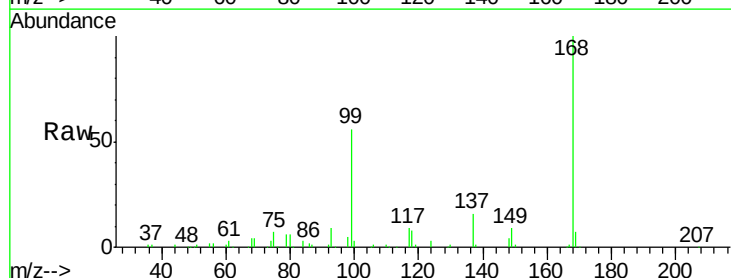
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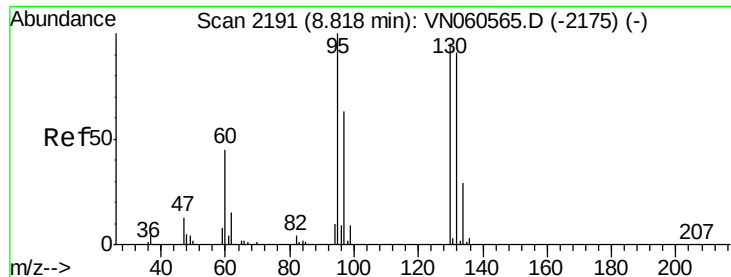
Tgt Ion: 75 Resp: 15929
 Ion Ratio Lower Upper
 75 100
 110 7.4 16.9 50.6#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.631 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060710.D
 Acq: 26 Mar 2020 13:33

Tgt Ion: 117 Resp: 19492
 Ion Ratio Lower Upper
 117 100
 119 5.8 76.2 114.2#
 121 0.0 23.7 35.5#





#44

Trichloroethene

Concen: 17.375 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060710.D

Acq: 26 Mar 2020 13:33

Instrument :

MSVOA_N

ClientSampleId :

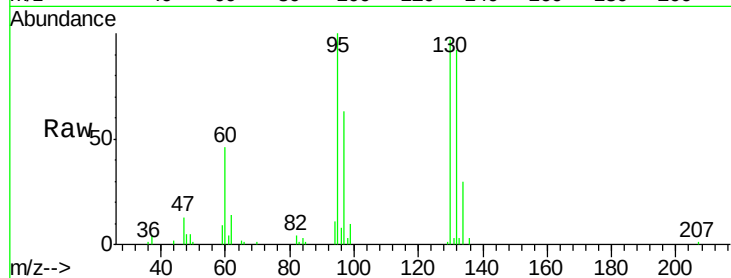
MW203D-20200315

Tgt Ion:130 Resp: 43368

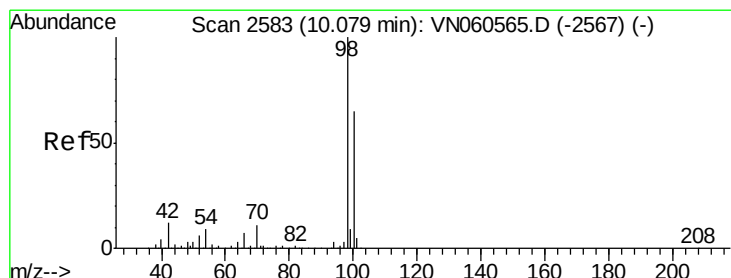
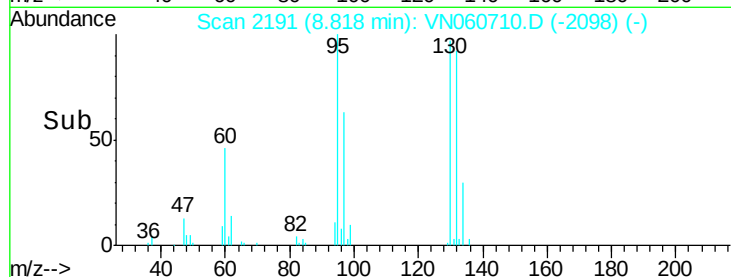
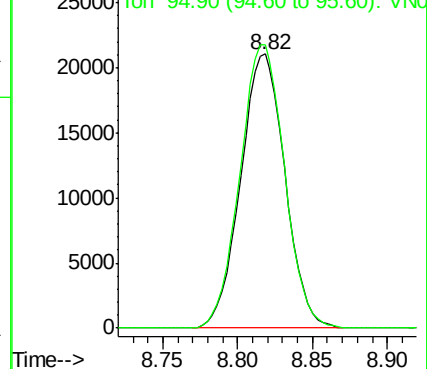
Ion Ratio Lower Upper

130 100

95 103.2 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN060710.D (-2098) (-)



#50

Toluene-d8

Concen: 50.065 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060710.D

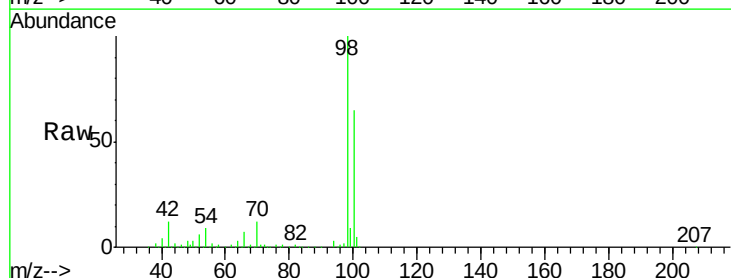
Acq: 26 Mar 2020 13:33

Tgt Ion: 98 Resp: 418827

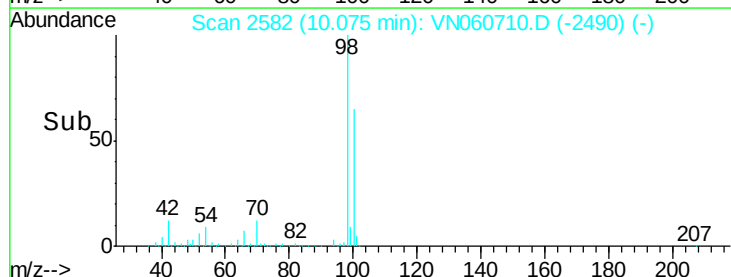
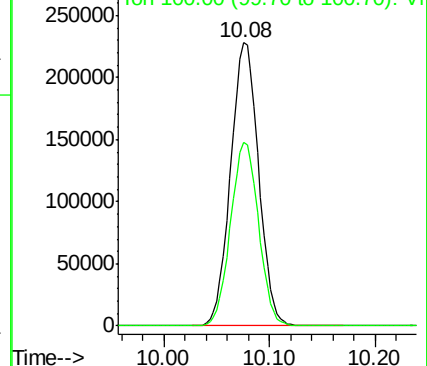
Ion Ratio Lower Upper

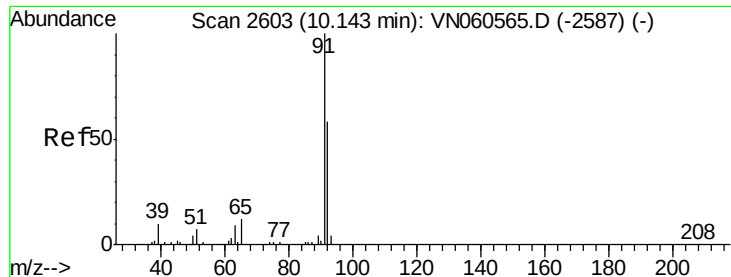
98 100

100 64.8 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN060710.D (-2490) (-)





#52

Toluene

Concen: 0.586 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060710.D

Acq: 26 Mar 2020 13:33

Instrument :

MSVOA_N

ClientSampleId :

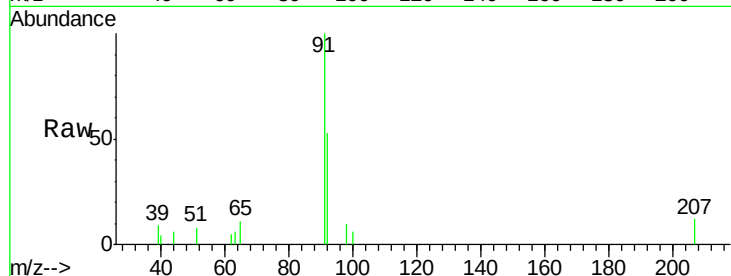
MW203D-20200315

Tgt Ion: 92 Resp: 3504

Ion Ratio Lower Upper

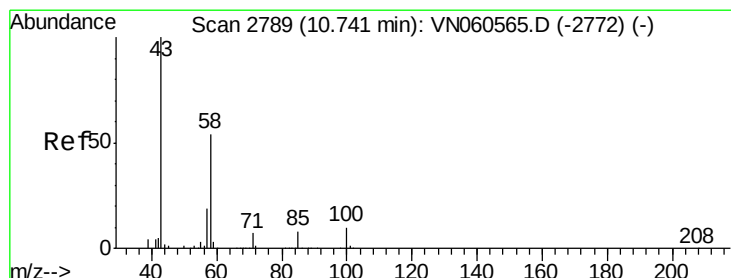
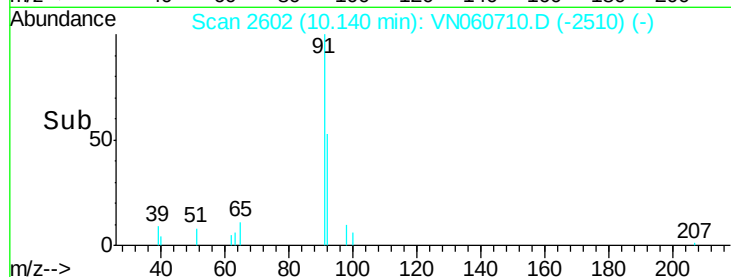
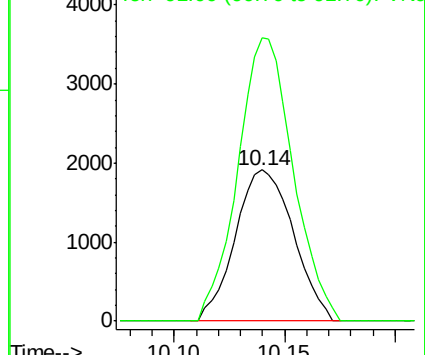
92 100

91 178.0 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060710.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN060710.D (-2510) (-)



#59

2-Hexanone

Concen: 0.262 ug/l

RT: 10.74 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VN060710.D

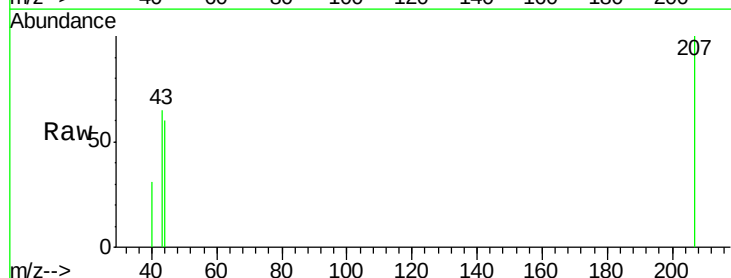
Acq: 26 Mar 2020 13:33

Tgt Ion: 43 Resp: 627

Ion Ratio Lower Upper

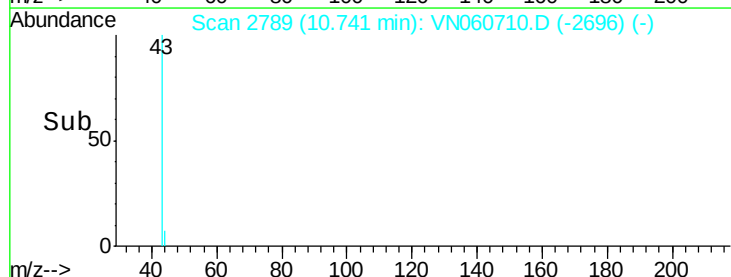
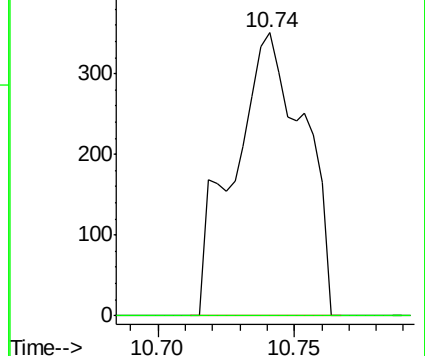
43 100

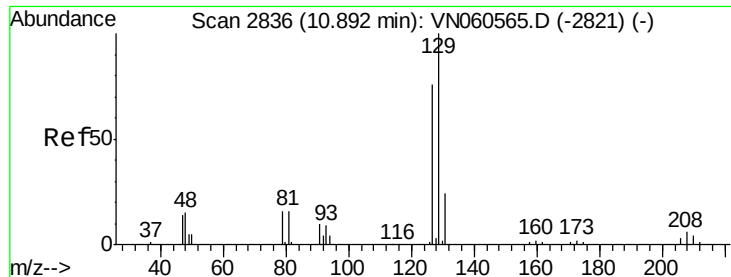
58 0.0 26.7 80.1#



Abundance Ion 43.00 (42.70 to 43.70): VN060710.D (-2696) (-)

Ion 58.00 (57.70 to 58.70): VN060710.D (-2696) (-)

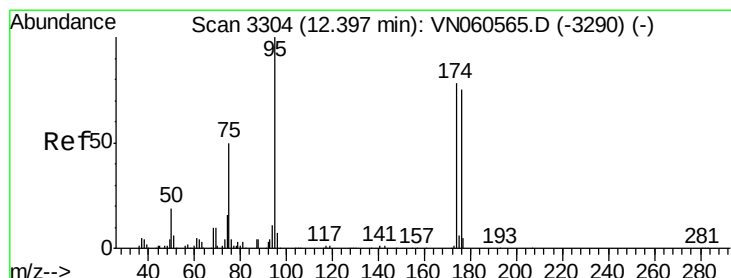
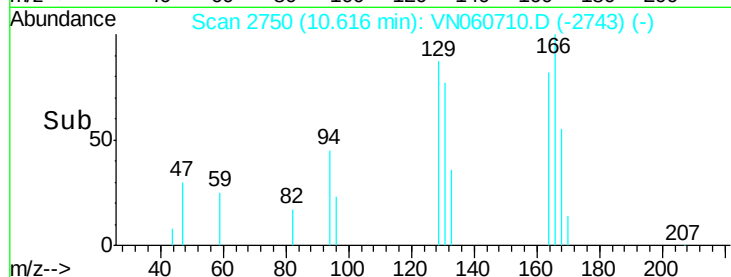
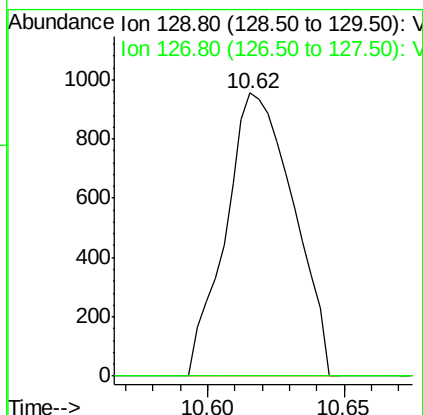
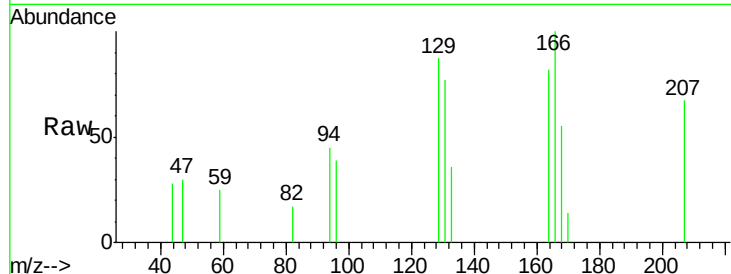




#60
Dibromochloromethane
Concen: 0.694 ug/l
RT: 10.62 min Scan# 2750
Delta R.T. -0.28 min
Lab File: VN060710.D
Acq: 26 Mar 2020 13:33

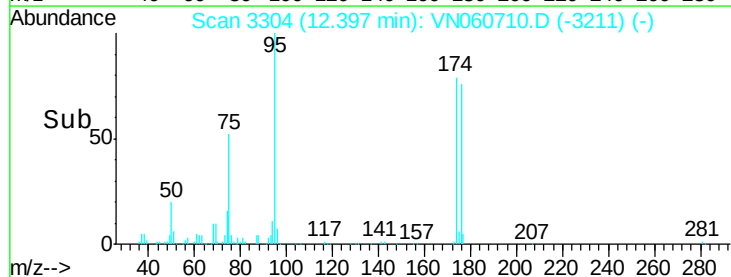
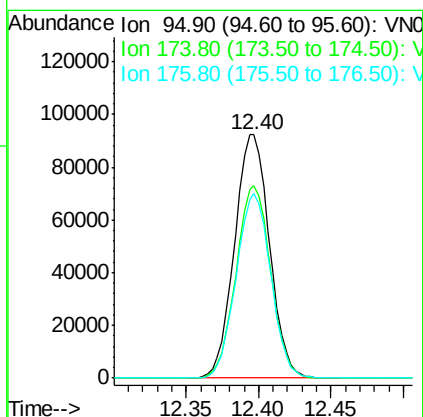
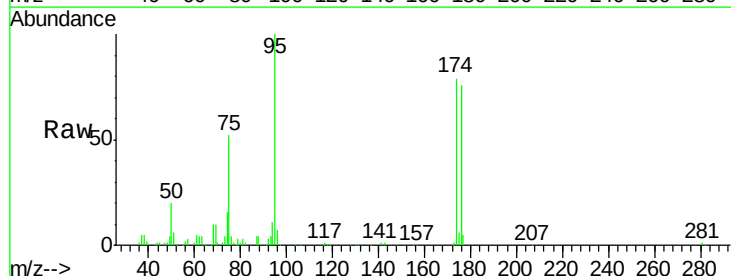
Instrument :
MSVOA_N
ClientSampleId :
MW203D-20200315

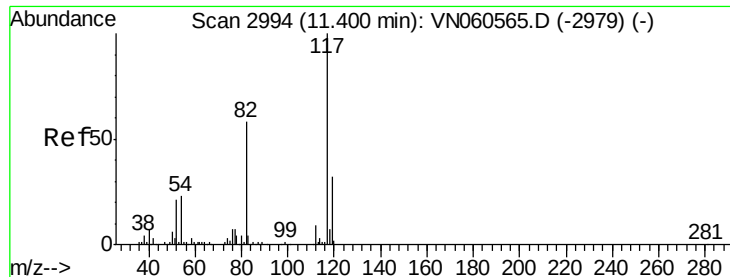
Tgt Ion: 129 Resp: 1649
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 50.466 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060710.D
Acq: 26 Mar 2020 13:33

Tgt Ion: 95 Resp: 154724
Ion Ratio Lower Upper
95 100
174 78.6 0.0 157.6
176 75.2 0.0 150.6

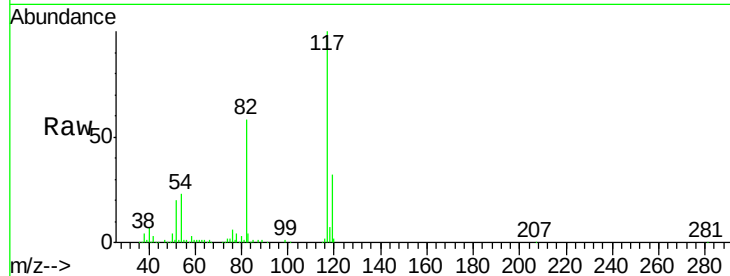




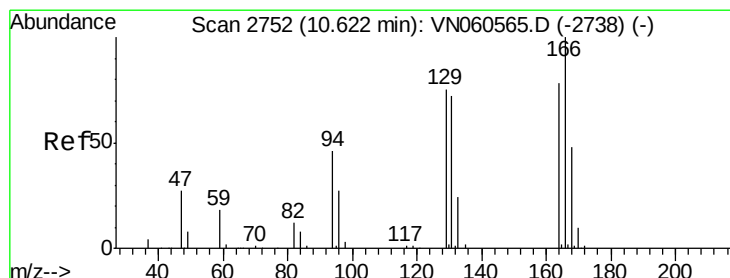
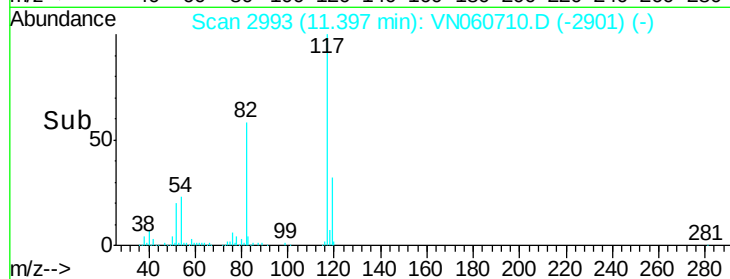
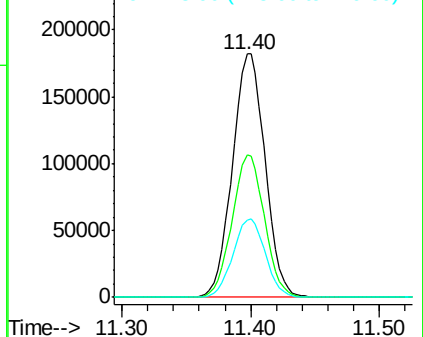
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060710.D
Acq: 26 Mar 2020 13:33

Instrument :
MSVOA_N
ClientSampleId :
MW203D-20200315

Tgt Ion:117 Resp: 319634
Ion Ratio Lower Upper
117 100
82 58.4 46.7 70.1
119 31.9 25.5 38.3

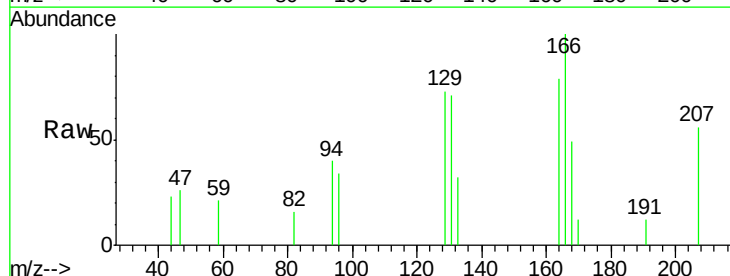


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

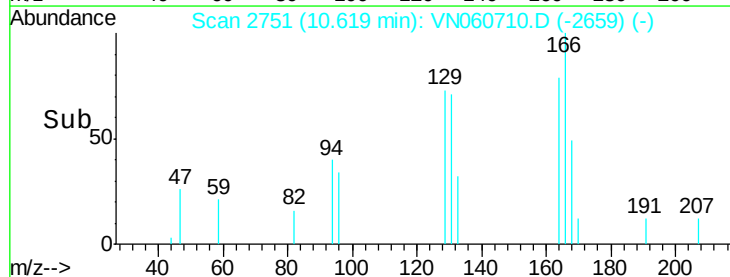
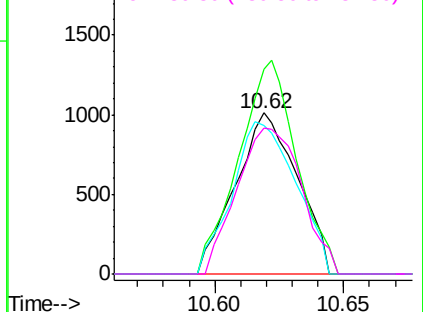


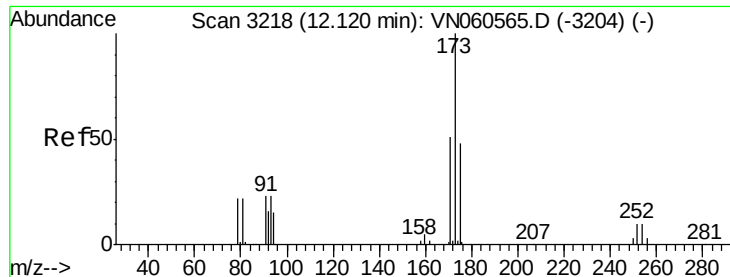
#64
Tetrachloroethene
Concen: 0.675 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060710.D
Acq: 26 Mar 2020 13:33

Tgt Ion:164 Resp: 1698
Ion Ratio Lower Upper
164 100
166 127.0 102.7 154.1
129 92.6 77.2 115.8
131 90.4 73.8 110.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#71

Bromoform

Concen: 1.933 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN060710.D

Acq: 26 Mar 2020 13:33

Instrument :

MSVOA_N

ClientSampleId :

MW203D-20200315

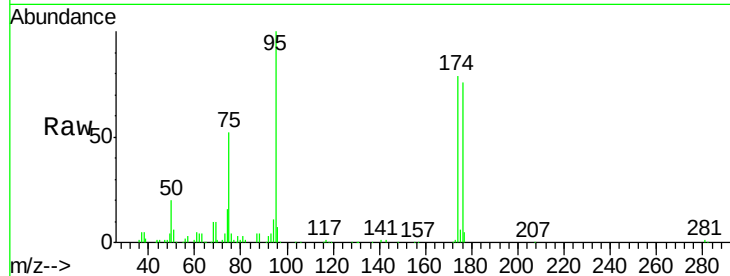
Tgt Ion:173 Resp: 498

Ion Ratio Lower Upper

173 100

175 1584.5 24.1 72.4#

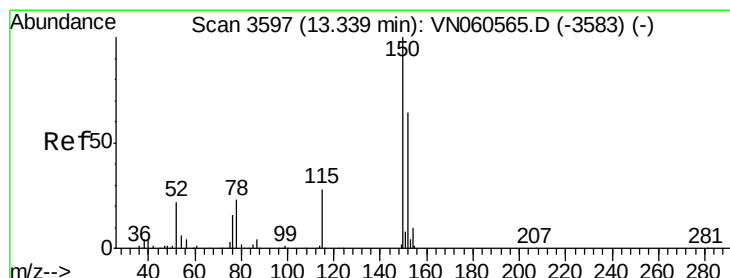
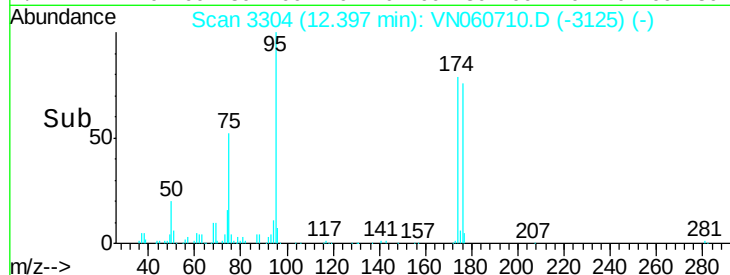
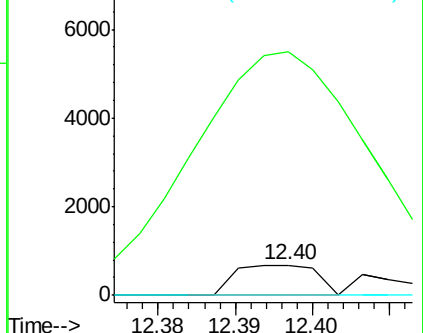
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060710.D

Acq: 26 Mar 2020 13:33

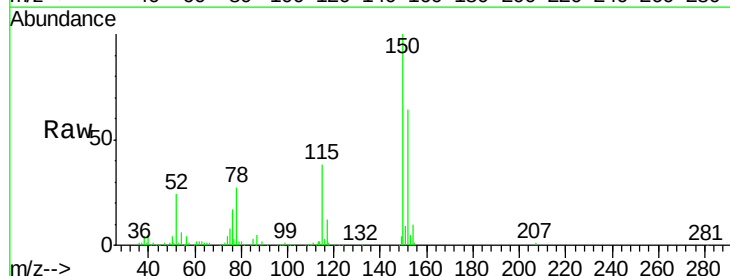
Tgt Ion:152 Resp: 143659

Ion Ratio Lower Upper

152 100

115 59.7 30.2 90.6

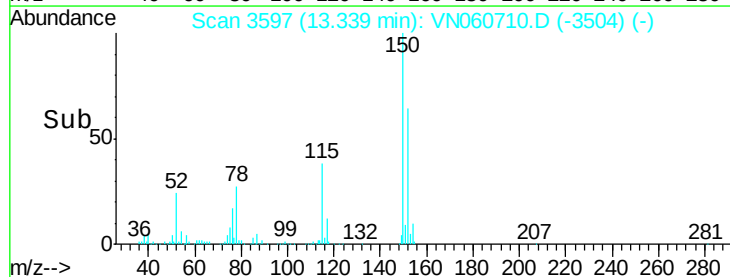
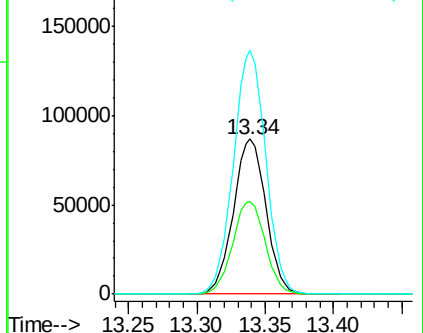
150 156.7 0.0 350.2

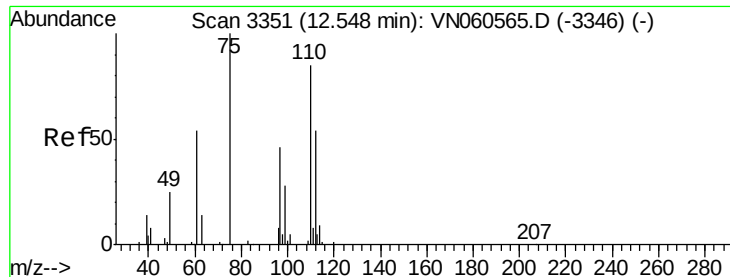


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

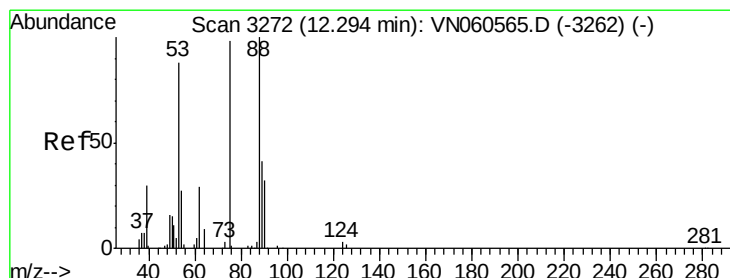
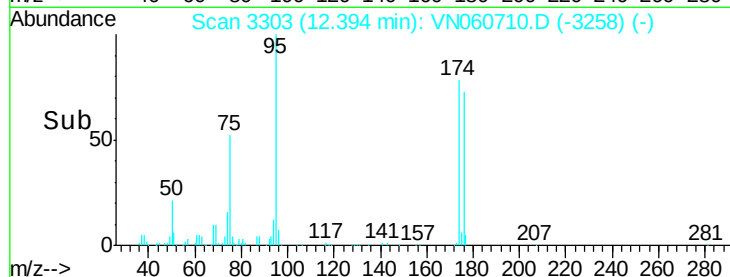
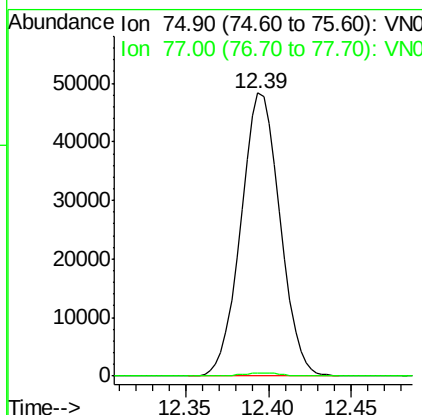
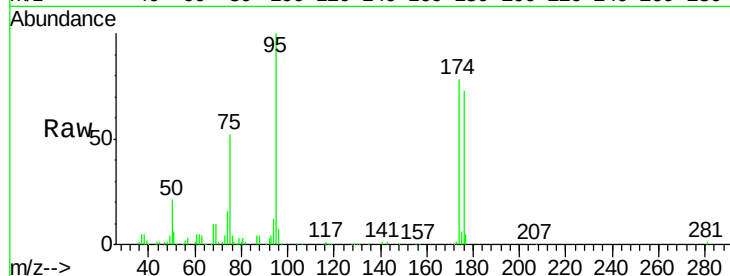




#76
 1,2,3-Trichloropropane
 Concen: 25.614 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. -0.15 min
 Lab File: VN060710.D
 Acq: 26 Mar 2020 13:33

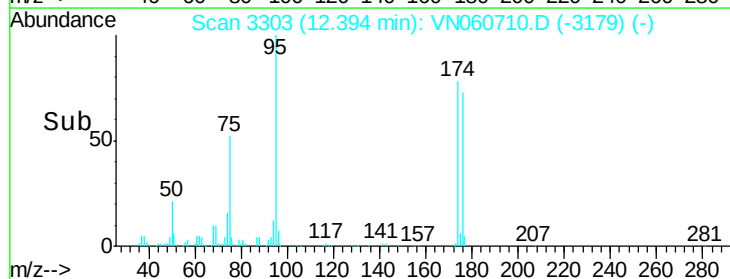
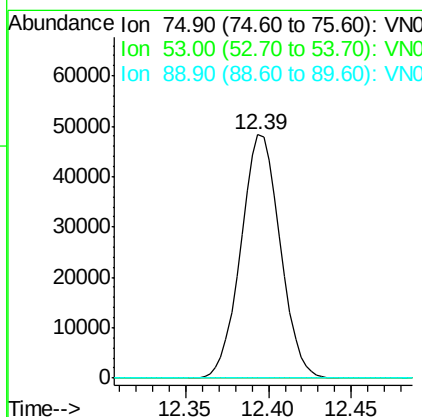
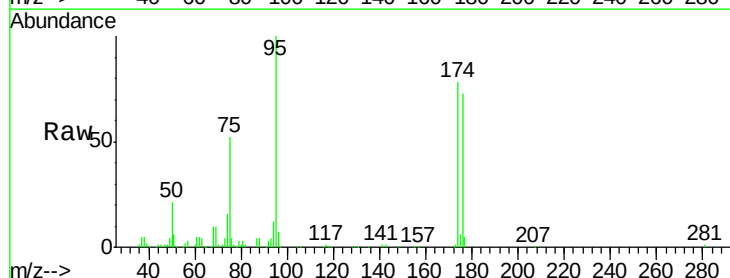
Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D-20200315

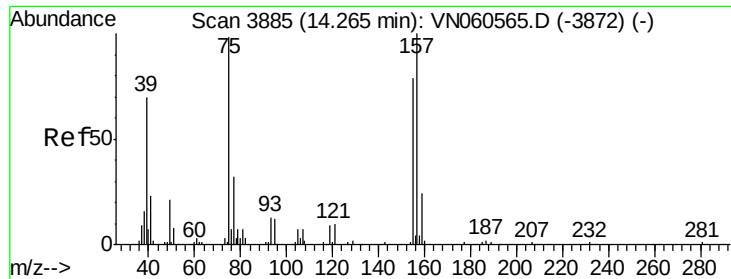
Tgt Ion: 75 Resp: 79401
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.785 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. 0.10 min
 Lab File: VN060710.D
 Acq: 26 Mar 2020 13:33

Tgt Ion: 75 Resp: 79401
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#

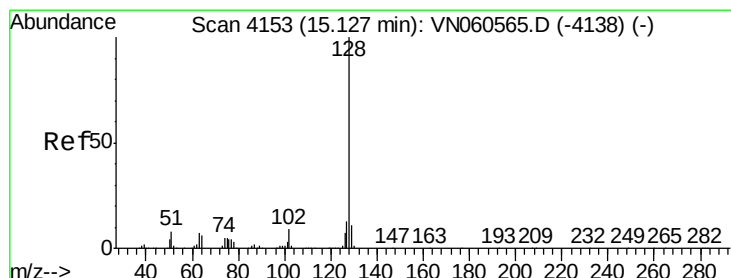
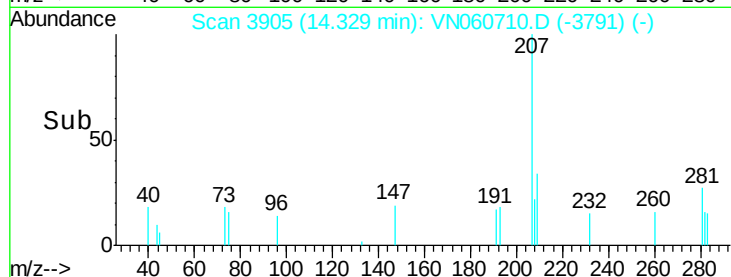
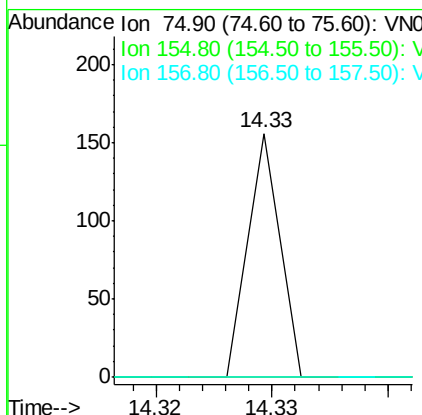
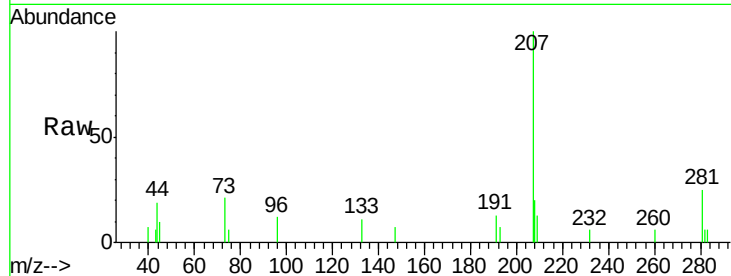




#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.33 min Scan# 3905
 Delta R.T. 0.07 min
 Lab File: VN060710.D
 Acq: 26 Mar 2020 13:33

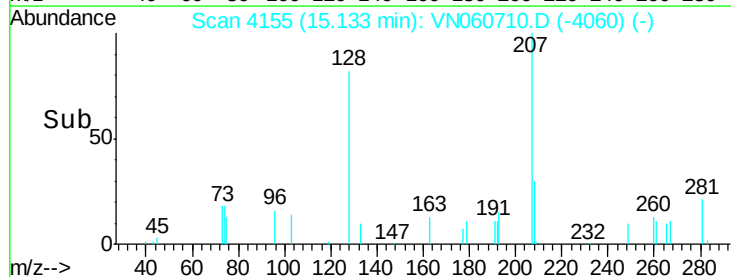
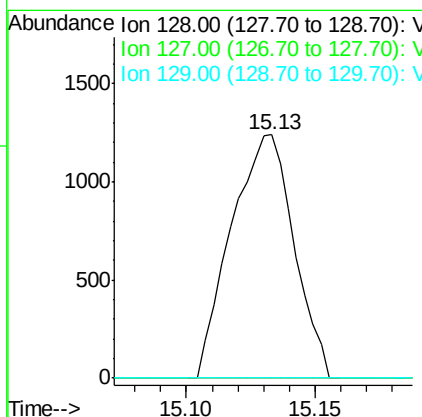
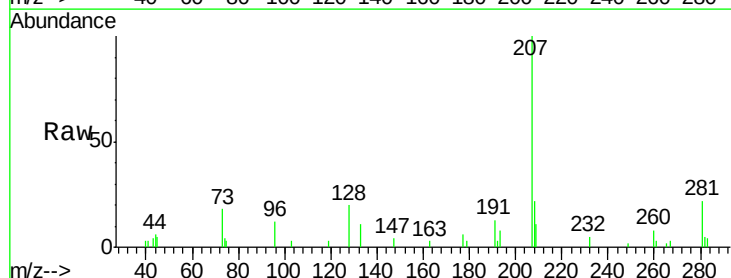
Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D-20200315

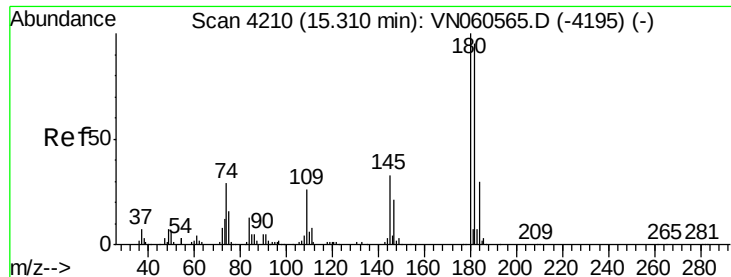
Tgt Ion: 75 Resp: 30
 Ion Ratio Lower Upper
 75 100
 155 0.0 40.7 122.1#
 157 0.0 51.5 154.7#



#95
 Naphthalene
 Concen: 0.259 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.01 min
 Lab File: VN060710.D
 Acq: 26 Mar 2020 13:33

Tgt Ion: 128 Resp: 2095
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.2#
 129 0.0 8.8 13.2#

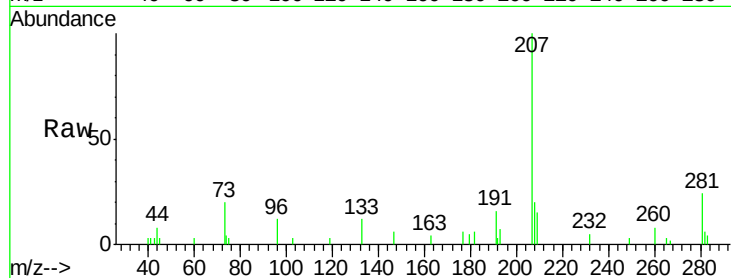




#96
 1,2,3-Trichlorobenzene
 Concen: 0.226 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN060710.D
 Acq: 26 Mar 2020 13:33

Instrument :
 MSVOA_N
 ClientSampleId :
 MW203D-20200315

Tgt Ion	Ratio	Lower	Upper
180	100		
182	82.3	47.5	142.6
145	0.0	16.3	48.8



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

